



ecology and environment, inc.

International Specialists in the Environment

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May 8, 1998

Mr. Bill Dana
Oregon Department of Environmental Quality
811 S.W. Sixth Avenue
Portland, Oregon 97204

RE: McCormick & Baxter Creosoting Company Site
NAPL Extraction Activity Plan
Task Order No. 88-97-5, E & E Project No. OH4000

Dear Mr. Dana:

This letter has been prepared to present a proposed approach to optimize and upgrade the current NAPL extraction systems in the FWDA and TFA at the McCormick and Baxter site. This approach is based on an e-mail from David Anderson, DEQ, dated February 17, 1998 and subsequent discussions with DEQ. Information obtained during implementation of these activities will be used along with data obtained during the upcoming groundwater field investigation to help ensure that groundwater RAOs are met.

The issues regarding optimization of the existing NAPL extraction pilot systems in the FWDA and TFA can be summarized into 4 main categories:

- Documentation of existing extraction wells and existing (and proposed) pump configurations including type of pump, installation depth, approximate flow rate, and use (e.g. total fluids, DNAPL only). The well's physical features including NAPL and water level, total depth, screen location, and screen length will also be included;
- Engineering evaluation of various pump configurations and scenarios to improve NAPL recovery in wells EW-9s, MW-Ds, MW-Gs, EW-6s, MW-Es, MW-20i, EW-10s, EW-4s, and EW-7s. Recommended pump and/or operational changes will include equipment purchasing and installation considerations;
- Evaluation of the existing LNAPL skimmer performance and recommendations for potential upgrades; and,
- Evaluation of the existing DAF/GAC system in the TFA and recommendations for increasing the effectiveness and duration of operation.

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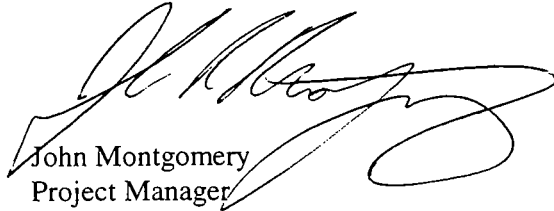


E & E will prepare separate technical memos that address each of these 4 categories including documentation and evaluation of existing conditions, description of potential alternatives, and recommendations for implementation.

If you have any questions, please call me at 248-5600.

Sincerely,

Ecology and Environment, Inc.



John Montgomery
Project Manager

CC: OH4000 file
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